

**ABSTRACT OF THE DISCLOSURE**

Techniques for reducing the number of layers in a multilayer signal routing device are disclosed. The technique may be realized as a method for routing one or more conductive  
5 traces between a plurality of electronic components of a multilayer signal routing device. The method comprises forming a first inter-component channel at a first routing layer of the multilayer signal routing device, the first inter-component channel extending between a first set of two  
10 or more electronic components of the plurality of electronic components and having a first orientation and forming a second inter-component channel at a second routing layer of the multilayer signal routing device, the second inter-component channel extending between a second set of two or more  
15 electronic components of the plurality of electronic components and having a second orientation different from the first orientation.